

SHA4112-SF2SNM Dual concealed bumper mount antenna, N-Male, 40-70 MHz B.W., 806-869 MHz

- Completely hidden-does not need any existing vehicle antennas
- Wide band with 40 to 70 MHz bandwidth depending on the vehicle
- Easy installation and tuning for optimum performance and durability in a wide variety of vehicles
- Dual antenna for enhanced omni coverage

Sinclair's patented concealed bumper mount antennas SHA411 series are designed for law-enforcement vehicles. The antennas are hidden inside the bumper and weatherproofed. The bumper covers must be plastic. Featuring a unique modular design that integrates all the components into a compact waterproof housing making it possible to install the antenna with minor modifications to the bumper. These antennas are mounted with simplicity and ease beneath the bumper cover thereby totally concealing the antenna from sight. A fine tuning adjustment permits performance optimization during installation. The antenna is integrated with a 17 feet RG58 feed cable.

SHA4112 series dual antennas (one in the front bumper and one in the rear) can be used for better omni coverage. A phasing harness is supplied with two separate SHA411 antennas. The radio port of the phasing harness comes with N male connector, which can be replaced by UHF male or mini UHF male connector included in the harness kit.

Attention: The antenna must be installed properly following the installation instruction. The phasing harness and the joints to the two SHA411 antennas are not weather proofed, so they must be placed inside the vehicle.



Application Notes

- Bandwidth is dependent upon the type of vehicle and mounting position.

Region	United States	Europe, Middle East and Africa	Caribbean and Latin America	Canada and rest of the world
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Product Specification Sheet EPR 018480 Customer Tech Manual 006099		SHA4112-SF2SNM	Issue: 3	Dated: 21-10-16 Dated: 30-09-13

Electrical Specifications

Frequency Range	MHz	806 to 869
Connector		N-Male
Gain (nominal)	dBd (dBi)	unity (2.1)
Input VSWR (max)		2:1
Polarization		vertical
Impedance	Ω	50
Pattern		Omni- directional
Average Power Input (max)	W	300
Bandwidth (Min-Max)	MHz	40 to 70

Notes

*1 : Depending on vehicle

Mechanical Specifications

Width	in (mm)	3 (76)
Depth	in (mm)	2 (51)
Length/ Height	in (mm)	10.5 (267)
Actual shipping weight	lbs (kg)	3.5 (1.59)
Shipping dimensions	in (mm)	9x14x5 (229x356x127)
Mounting hardware		#8-32 screws (4)

Ordering Information

Clips are supplied to temporarily secure the radiator to the bumper. VA250 glue should be used for added support (may be ordered separately Sinclair part number 6500295).

Environmental Specifications

Temperature range	°F (°C)	-40 to +140 (-40 to +60)
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